

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/BR 2004/000204A. CLASSIFICATION OF SUBJECT MATTER  
IPC<sup>7</sup>: C01G 23/047

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC<sup>7</sup>: C01G; C04B; C22B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
EPOQUE; WPI; PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2003/0198591 A1 (SMITH et al.) 23 October 2003 (23.10.2003) <i>abstract; paragraphs [0037]-[0050]; claims 1-32.</i>	1-11
A	US 5730774 A (HOLLITT et al.) 24 March 1998 (24.03.1998) <i>abstract; column 3, lines 31-42; column 4, lines 19-41; claim 1.</i>	1-11
A	GB 2315742 A (TIOMIN RESOURCES INC) 11 February 1998 (11.02.1998) <i>abstract; figures 1a, 1b; claims 1-18.</i>	1-11

 Further documents are listed in the continuation of Box C. See patent family annex.

## \* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search  
28 December 2004 (28.12.2004)Date of mailing of the international search report  
26 January 2005 (26.01.2005)Name and mailing address of the ISA/AT  
**Austrian Patent Office**  
Dresdner Straße 87, A-1200 ViennaAuthorized officer  
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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.  
PCT/BR 2004/000204

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
FR A1	2470167	1981-05-29		none	
GB A	1431552	1976-04-07	MY	A 31577	1977-12-31
GB A	1568333	1980-05-29	AU	A 3403478	1979-09-13
			AU	B2 515999	1981-05-14
			FR	A1 2383127	1978-10-06
			JP	A 53127398	1978-11-07
			NL	A 7802201	1978-09-12
GB A	2315742	1998-02-11	NO	A 965190	1998-01-27
			NZ	A 299283	1997-12-19
			US	A 5885324	1999-03-23
			AU	A 6438396	1998-02-05
			AU	B2 726436	2000-11-09
US A	20030198 591			none	
US A	3295924	1967-01-03	CH	A 431582	1967-03-15
			AT	B 241425B	1965-07-26
			GB	A 990403	1965-04-28
US A	3784670	1974-01-08	PL	B1 80963B	1975-08-30
			DE	A1 2045094	1971-03-18
			FR	A5 2059294	1971-05-28
			GB	A 1293230	1972-10-18
			CA	A1 923711	1973-04-03
US A	4256266	1981-03-17	AU	A 4382879	1979-08-09
			AU	B2 520869	1982-03-04
			CA	A1 1118213	1982-02-16
			JP	A 54148114	1979-11-20
			BR	A 7800585	1979-08-21
US A	5730774	1998-03-24	NO	A 954419	1995-12-15
			JP	T 8512361T	1996-12-24
			CA	A1 2162266	1994-11-24
			BR	A 9406464	1996-01-30
			WO	A1 9426944	1994-11-24

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	FR 2470167 A (UOP INC) 29 May 1981 (29.05.1981) <i>page 2, line 26 - page 8, line 11, claims 1-9.</i>	1-11
A	US 4256266 A (MAGALHAES) 17 March 1981 (17.03.1981) <i>the whole document.</i>	1-11
A	GB 1568333 A (MINERACAO VALE DO PARANAIBA) 29 May 1985 (29.05.1985) <i>claims 1-9.</i>	1-11
A	US 3784670 A (YAMADA) 8 January 1974 (08.01.1974) <i>claim 1.</i>	1-11
A	GB 1431552 A (LAPORTE INDUSTRIES LIMITED) 7 April 1976 (07.04.1976) <i>claims 1-23.</i>	1-11
A	US 3295924 A (COLOMBO) 3 January 1967 (03.01.1967) <i>the whole document.</i>	1-11